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> PTitle: JP11260372A2: MANUFACTURE OF NONAQUEOUS SECONDARY B

ਊCountry: JP Japan Α

ହKind:

PInventor: FURUKAWA SANEHIRO;

FUJIMOTO MASAHISA; YOSHINAGA NORIYUKI;

UENO KOJI;

SANYO ELECTRIC CO LTD

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Published / Filed: 1999-09-24 / 1999-01-14

PApplication

JP1999000008215

Number:

@IPC Code: H01M 4/66; H01M 2/02; H01M 4/02; H01M 10/40;

Priority Number: 1999-01-14 JP1999019998215

.... PROBLEM TO BE SOLVED: To improve the cycle characteristic and load characteristic, while preventing the elution of a collector by constructing a positive electrode collector and/or a positive electrode armor of aluminum with aluminum oxide coating on the surface and having lithium intercalate into a negative electrode material by injecting an electrolyte.

SOLUTION: A positive electrode collector is constructed of an aluminum foil with the surface covered with aluminum oxide. By mixing petroleum coke with N-methylpyrrolidone solution, in which polyvinylidene fluoride is dissolved, a mixed solution is prepared. Next, by applying this mix solution to a negative electrode collector made of copper foil and then bringing the negative collector into contact with lithium foil, a negative electrode 2 is formed. Lithium on the negative electrode 2 is intercalated into the petroleum coke serving as a negative electrode material after injecting the electrolyte. Then, a separator 3 is arranged between the positive electrode 1 and the negative electrode 2, and these are wound up into a spiral shape and form a group 4 of electrodes.

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POther Abstract

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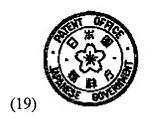




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(71) Applicant: SANYO ELECTRIC CO

(72) Inventor: FURUKAWA SANEHIRO FUJIMOTO MASAHISA YOSHINAGA NORIYUK

UENO КОЛ

(74) Representative:

(54) MANUFACTURE OF NONAQUEOUS SECONDARY BATTERY

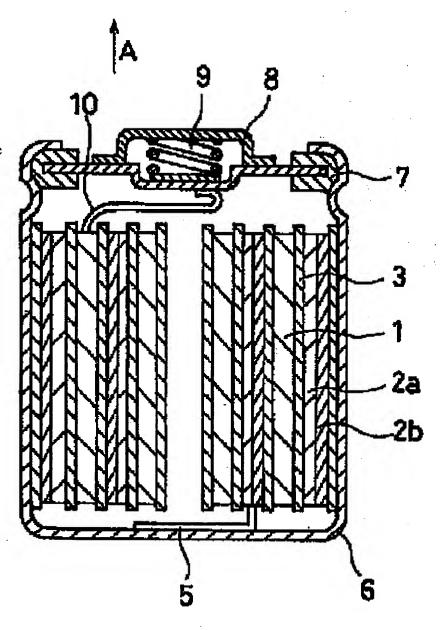
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